Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/04/2021 09:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123558	-2	1.71	123690	1.65
Blue	F	SSC	125000	123540	-2	2.84	124374	2.64
Blue	E	FITC	14203	13600	-5	2.66	294	15.17
Blue	D	PE	25703	25204	-2	2.21	545	10.43
Blue	B	PerCP-Cy5-5	42104	41102	-3	3.17	911	14.05
Blue	A	PE-Cy7	34646	33902	-3	4.34	487	27.90
Red	C	APC	49824	48745	-3	2.45	1480	10.89
Red	A	APC-Cy7	39773	38878	-3	2.36	725	11.24
Violet	B	V450	7447	7225	-3	4.12	415	12.24
Violet	A	V500	31193	30245	-4	3.85	692	9.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21610	1.91	547	-9	N/A	N/A	Pass
Blue	F	SSC	55239	1.75	507	-5	N/A	N/A	Pass
Blue	E	FITC	54	51.89	480	-6	0.0403	47	Pass
Blue	D	PE	108	37.53	481	-4	0.3854	253	Pass
Blue	B	PerCP-Cy5-5	180	32.57	571	-6	0.0207	0	Pass
Blue	A	PE-Cy7	115	58.25	613	-7	0.0237	0	Pass
Red	C	APC	347	22.96	564	-3	0.0306	105	Pass
Red	A	APC-Cy7	203	23.01	538	-6	0.0066	293	Pass
Violet	B	V450	92	39.74	455	6	0.0518	1703	Pass
Violet	A	V500	121	27.80	472	5	0.0258	530	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-33.20	-32.83	0.95
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.37
Red	22.67	15.99 - 23.99	N/A	N/A	31.03	31.44	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.73

Threshold

Threshold (FSC): 9977

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments